Extron®

2009 NEW PRODUCTS

FIRST EDITION

Extron®

Satisfaction Guarantee

As a leading manufacturer in the A/V industry, we are committed to engineering and manufacturing our products to the highest standards of quality, performance, and value. From our advanced product design, manufacturing and quality control procedures to our friendly and knowledgeable support teams, our commitment to satisfy you is paramount. In every interaction with Extron, you can be confident you will receive our S3 commitment to Service, Support, and Solutions. For more than 25 years, our objective has been to ensure that every customer is completely satisfied with every purchase.

To underscore this commitment, we offer our Satisfaction Guarantee. This means we will work diligently to resolve any issue you have with your purchase until you are completely satisfied. Extron employees are prepared to do whatever it takes to make certain that the entire process of doing business with us is a positive and professionally rewarding experience for you.

I'm so confident in our ability to deliver on this pledge that I back it personally. If you are not satisfied with any part of your transaction with Extron, I want to know. Please contact me at president@extron.com. I will personally address any unresolved customer issue. We greatly appreciate your business. It is our intent to keep you as a customer for life.

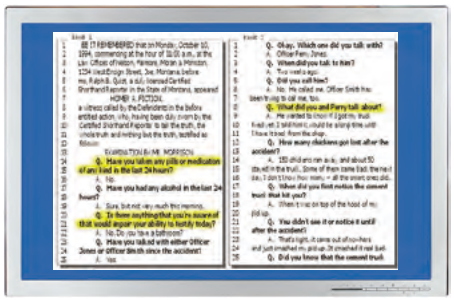
Andrew C. Edwards

President

SIGNAL PROCESSORS

Select and preview annotation tools from the intuitive on-screen GUI.

Annotate over high resolution graphics or live video.



Highlight function draws viewer's attention to key elements.

Annotator

Annotation Graphics Processor

The Extron Annotator is a high performance, hardware-based annotation processor for video and computer-video sources. It allows the presenter to draw, point, or add text to electronic presentation materials using a touch panel and/or a keyboard and mouse. The Annotator supports all common analog and digital video and data formats from composite video to high resolution DVI/RGBHV and HD-SDI. Input video is scaled and made available in a variety of output formats including analog RGBHV and Extron MTP - Mini Twisted Pair, as well as optional DVI, HD-SDI, or scan-converted video. The Annotator is ideal for applications that require the overlay of graphic and text elements for emphasis within video or computer-driven presentations, including law enforcement, medicine, education, telepresence, and live events.

FEATURES

- Real-time annotations over high resolution PC and video graphics
- Intuitive on-screen user interface
- Integrated scaler for high quality full-motion video
- Integrated seven input presentation switcher supports multiple video formats
- Input type auto detect on all inputs
- Four simultaneous high resolution outputs
- Configurable preview output
- Supports popular USB touch panels, keyboards, and mice
- Supports 16 USB devices using hubs
- Reliable hardware-based solution
- Twisted pair video output
- Optional DVI, HD-SDI, or scan-converted output
- Optional SDI/HD-SDI input

Model	Version Description	Part Number
Annotator	Annotation Graphics Processor	60-968-01

CVC 300

Component Video to RGB Converter

The Extron CVC 300 is a universal, high definition component video to RGB converter. It accepts all common analog component video formats, as well as RGsB, from 480i and 576i to HDTV 1080p/60 and 1920x1200. The CVC 300 supports interlaced or progressive scan video with bi-level or tri-level sync, and transcodes the incoming component video signal for output as RGBHV or RGBS. The CVC 300 is ideal for use in applications that require the integration of devices with component video output, such as DVD players, DTV tuners and DVRs, or game consoles, into RGB-based A/V system designs.

FEATURES

- Supports all standard definition and high definition analog component video formats
- Converts interlaced and progressive scan component video to RGBHV or RGBS
- Precise bi-level or tri-level sync detection and conversion
- User-selectable input color space format

Model	Version Description	Part Number
CVC 300	Component Video to RGB Converter	60-971-01

TWISTED PAIR

MTP 1500RL 15HD A

Mini Twisted Pair Extended Distance Receiver for VGA and Audio

The MTP 1500RL 15HD A and the MTP 1500RL 15HD A SEQ are extended distance mini twisted pair receivers that work with MTP Series transmitters to send high resolution video and audio signals 1,500 feet (450 meters) or more over a single CAT 5-type cable. The SEQ model features independent skew compensation adjustments for each color. The extended distance receivers are compatible with resolutions up to 1920x1200 WUXGA, and feature separate continuously variable level and peaking adjustments that precisely optimize image quality for various cable lengths. Each receiver also offers an additional female RJ-45 buffered output, enabling up to eight receivers to be connected in series, reducing the number of parallel cable runs required.

FEATURES

- Receives high resolution video and mono audio signals 1,500 feet (450 meters) or more over a single CAT 5-type cable
- Supports RGBHV, RGBS, RGsB, RsGsBs, component video, S-video, and composite video
- Compatible with HDTV component video, bi-level or tri-level sync
- Separate continuously variable level and peaking controls
- Buffered RJ-45 loop-through for daisy-chaining up to eight receivers
- Independent skew compensation adjustments for each color - SEQ model only
- Compatible with any Extron MTP transmitter

MTP 1500RL 15HD A

MTP 1500RL 15HD A SEQ

Model	Version Description	Part Number
MTP 1500RL 15HD A	Receiver	60-959-01
MTP 1500RL 15HD A SEQ	Receiver w/Skew Equalizer	60-959-02

MTP 1500RL 15HD RS

Mini Twisted Pair Extended Distance Receiver for VGA and RS-232

Extron's MTP 1500RL 15HD RS and MTP 1500RL 15HD RS SEQ are extended distance mini twisted pair receivers that work with MTP Series transmitters to send high resolution video and RS-232 signals 1,500 feet (450 meters) or more over a single CAT 5-type cable. The SEQ model features independent skew compensation adjustments for each color. The extended distance receivers are compatible with resolutions up to 1920x1200 WUXGA, and feature separate continuously variable level and peaking adjustments that precisely optimize image quality for various cable lengths. Each receiver also offers an additional female RJ-45 buffered output, enabling up to eight receivers to be connected in series, reducing the number of parallel cable runs required.

FEATURES

- Receives high resolution video and RS-232 signals 1,500 feet (450 meters) or more over a single CAT 5-type cable
- Supports RGBHV, RGBS, RGsB, RsGsBs, component video, S-video, and composite video
- Compatible with HDTV component video, bi-level or tri-level sync
- Separate continuously variable level and peaking controls
- Buffered RJ-45 loop-through for daisy-chaining up to eight receivers
- Independent skew compensation adjustments for each color - SEQ model only
- Compatible with any Extron MTP transmitter

MTP 1500RL 15HD RS

MTP 1500RL 15HD RS SEQ

Model	Version Description	Part Number
MTP 1500RL 15HD RS	Receiver	60-960-01
MTP 1500RL 15HD RS SEQ	Receiver w/Skew Equalizer	60-960-02

Extron®

USA West
+1.714.491.1500 / +800.633.9876
+1.714.491.1517 FAX

USA East
+1.919.863.1794 / +800.633.9876
+1.919.863.1797 FAX

www.extron.com

© 2009 Extron Electronics. All rights reserved.
Pricing and specifications may change without notice.

TWISTED PAIR

MTP R 15HD RSA D

Mini Twisted Pair Receiver for VGA, Audio, and RS-232 – Decora® Wallplate

The MTP R 15HD RSA D is a Decora-style Mini Twisted Pair receiver that accepts high resolution computer video, mono audio, and RS-232 signals over a single CAT 5-type cable. It is compatible with high resolutions up to 1920x1200 WUXGA, and will support cable runs of 600 feet (185 meters) or more with XGA signals, and 450 feet (135 meters) or more with UXGA signals. The MTP R 15HD RSA D also offers separate continuously variable level and peaking controls to compensate for signal loss over long cable runs.

FEATURES

- Receives high resolution video, mono audio, and RS-232 signals 600' (185 meters) or more over a single CAT 5-type cable
- Mounts in an included Decora-style wallplate
- Supports RGBHV, RGBS, RGsB, RsGsBs, component video, S-video, and composite video
- Automatic detection and routing of audio and RS-232 signals to the appropriate output
- Separate continuously variable level and peaking controls
- Compatible with any Extron MTP transmitter

Model	Version Description	Part Number
MTP R 15HD RSA D	VGA, Audio, and RS-232 Receiver - Decora . . .	60-929-01

MTP SW6

Mini Twisted Pair Six Input Switcher

The Extron MTP SW6 is a six input, one output UTP switcher that is fully compatible with all MTP transmitters, receivers, distribution amplifiers, and matrix switchers. The switcher is designed for applications where up to six MTP transmitters are required to be switched to a single MTP receiver to provide a complete twisted pair switching solution from source to display. When paired with the Extron MTP Universal Receiver, the MTP SW6 is ideal for applications where a variety of signal formats, including composite, S-video, component, HD component, or RGB, must be switched to a single display.

FEATURES

- Compatible with all Extron MTP Series Mini Twisted Pair products
- Dynamic input skew equalization
- Video level and peaking compensation on each input
- Switchable video pre-peaking for output
- Local dual mono audio output
- Local audio output volume adjustment and muting
- Auto-input switching
- Local RS-232 insertion port
- RS-232 and contact closure control

Model	Version Description	Part Number
MTP SW6	Six Input Switcher.	60-928-01

ARCHITECTURAL CONNECTIVITY

AVTrac™ Extensions

Extension Kits for AVTrac Floor-Mount Raceway System for A/V Connectivity

AVTrac 4C EXT

The Extron AVTrac Extensions are optional 4' (1.2 m) raceway track extension kits for use with the AVTrac Floor-Mount Raceway System for A/V Connectivity. When combined with the corresponding AVTrac 480C or AVTrac 480R models, these extensions allow A/V, power, and data connectors to be placed from 8' (2.4 m) up to 16' (4.8 m) from a wall or other area where they might traditionally be located.

FEATURES

- Models available with a carpet inlay channel or inlay black rubber strip
- Raceway assembly may be easily cut to the desired length
- Includes cable raceway, inlay cap, two side ramps, and mounting hardware

Model	Version Description	Part Number
AVTrac 4C EXT	Extension Kit, 4' (1.2 m) – Carpet	70-645-04
AVTrac 4R EXT	Extension Kit, 4' (1.2 m) – Rubber	70-646-04

EMEA
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Middle East
+971.4.2991800
+971.4.2991880 FAX

Asia
+65.6383.4400 / +800.7339.8766
+65.6383.4664 FAX

China
+86.21.3760.1568 / +400.883.1568
+86.21.3760.1566 FAX

Japan
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron®

ARCHITECTURAL CONNECTIVITY

AVTrac® Raceway Transition Adapters

Raceway-to-Wall Transition for AVTrac

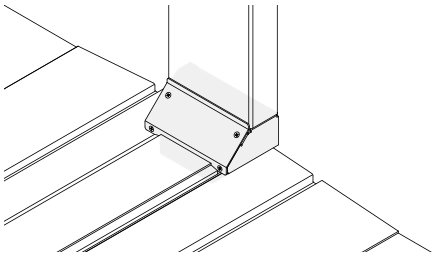
The AVTrac® Raceway Transition Adapters provide a clean transition from the floor-mounted raceway to surface-mounted cable management systems. They are designed to work with wall-mounted cable management systems, including Wiremold 4000 Series™ steel raceways and many European cable channel trunk systems. They also facilitate cable pass-through to the raceway from wall-mounted AC outlets and A/V connection plates. The AVTrac Raceway Transition Adapters are available in matching Wiremold Ivory ScuffCoat™ or RAL9010 white finishes.

FEATURES

- Provides a clean transition from AVTrac to a wall-mounted cable management system
- Works with Wiremold 4000 Series™ steel raceways and many European cable channel trunk systems
- Facilitates cable pass-through from wall-mounted AC power outlets and A/V connection plates
- Available in matching ivory or RAL9010 white finishes

AVTrac INST TRANS 100EU - EU Channel

AVTrac INST TRANS 100WM - Wire Mold



Model	Version Description	Part Number
AVTrac INST TRANS 100WM	Wall Transition - Wiremold; Ivory	70-783-01
AVTrac INST TRANS 100EUC	Wall Transition - EU Channel; RAL9010	70-783-11

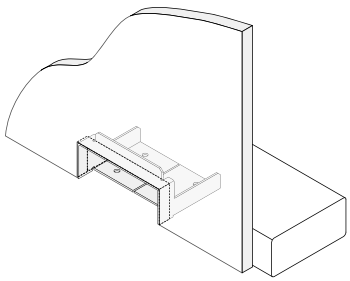
AVTrac® Rough-in Adapter

New Construction Rough-in Adapter for AVTrac

The AVTrac® Rough-in Adapter is a raceway-to-base stud cable pass-through that provides a clean transition for routing electrical conduit and A/V cables from inside a finished wall into the AVTrac raceway. The durable metal adapter is designed for installation at the desired AVTrac raceway wiring access location prior to new wall construction.

FEATURES

- Designed for installation prior to new wall construction
- Provides clean opening for routing cable into AVTrac raceway
- Durable metal construction
- Dimensions: 4" x 1.5" (10 cm x 4 cm)



Model	Version Description	Part Number
AVTrac INST RIA	Rough-in Adapter for AVTrac	70-781-01

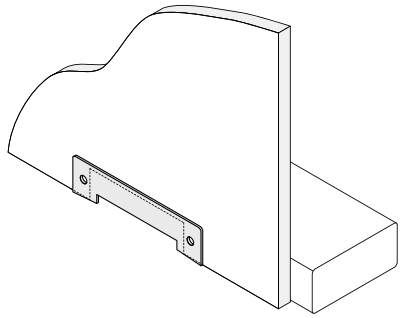
AVTrac® Wall Trim Plate

Finished-Wall Trim Plate for AVTrac

The AVTrac® Wall Trim Plate compensates for minor over-cutting of gypsum wallboards during the installation of an AVTrac raceway system. It is installed at the floor-wall junction and provides a uniform, finished opening for routing electrical conduit and A/V cables from inside the wall into the raceway system. The trim plate is also designed to fit behind wall base-trim materials.

FEATURES

- Compensates for minor over-cutting of gypsum wallboard
- Designed to fit behind wall base-trim materials
- Durable metal construction



Model	Version Description	Part Number
AVTrac INST WTP	Wall Trim Plate for AVTrac	70-782-01

Extron®

USA West
+1.714.491.1500 / +800.633.9876
+1.714.491.1517 FAX

USA East
+1.919.863.1794 / +800.633.9876
+1.919.863.1797 FAX

www.extron.com

© 2009 Extron Electronics. All rights reserved.
Pricing and specifications may change without notice.

ARCHITECTURAL CONNECTIVITY

WPC 150 EU

Wallplate with Captive Screw Outputs for Computer Video and PC Audio - European Junction Boxes

The Extron WPC 150 EU wallplate is specifically designed for a standard 80 mm European one-gang junction box. It features connectors for computer video and audio with pass-through output on captive screw connectors for ease of integration in standard, 40 mm deep junction boxes.

FEATURES

- Computer video: 15-pin female to captive screw
- PC audio: 3.5 mm stereo mini jack to captive screw
- Signals passed through unprocessed
- For use with 80 mm European junction boxes
- Available in RAL9010 white

Model	Version Description	Part Number
WPC 150 EU	EU gang - RAL9010 White	70-797-05

WPC 150 MK

Wallplate with Captive Screw Outputs for Computer Video and PC Audio - MK Junction Boxes

The Extron WPC 150 MK wallplate is specifically designed for use with an MK Electric type British standard one-gang wall box. It features connectors for computer video and audio with pass-through output on captive screw connectors for ease of integration in standard, 40 mm deep junction boxes.

FEATURES

- Computer video: 15-pin female to captive screw
- PC audio: 3.5 mm stereo mini jack to captive screw
- Signals passed through unprocessed
- For use with MK Electric type British standard wall boxes
- Available in white

Model	Version Description	Part Number
WPC 150 MK	MK gang - White	70-807-03

WPC 170 EU

Wallplate with Captive Screw Outputs for Computer Video, PC Audio, Composite Video and Stereo Audio - European Junction Boxes

The Extron WPC 170 EU wallplate is specifically designed for a standard 80 mm European one-gang junction box. It features connectors for computer video and audio, and composite video and stereo audio, with pass-through output on captive screw connectors for ease of integration in standard, 40 mm deep junction boxes.

FEATURES

- Computer video: 15-pin female to captive screw
- PC audio: 3.5 mm stereo mini jack to captive screw
- Composite video: RCA female to captive screw
- Stereo audio: RCA female unbalanced stereo audio to captive screw
- Signals passed through unprocessed
- For use with 80 mm European junction boxes
- Available in RAL9010 white

Model	Version Description	Part Number
WPC 170 EU	EU gang - RAL9010 White	70-795-05

WPC 170 MK

Wallplate with Captive Screw Outputs for Computer Video, PC Audio, Composite Video and Stereo Audio - MK Junction Boxes

The Extron WPC 170 MK wallplate is specifically designed for an MK Electric type British standard one-gang wall box. It features connectors for computer video and audio, and composite video and stereo audio, with pass-through output on captive screw connectors for ease of integration in standard, 40 mm deep junction boxes.

FEATURES

- Computer video: 15-pin female to captive screw
- PC audio: 3.5 mm stereo mini jack to captive screw
- Composite video: RCA female to captive screw
- Stereo audio: RCA female unbalanced stereo audio to captive screw
- Signals passed through unprocessed
- For use with MK Electric type British standard wall boxes
- Available in white

Model	Version Description	Part Number
WPC 170 MK	MK gang - White	70-796-03

EMEA
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Middle East
+971.4.2991800
+971.4.2991880 FAX

Asia
+65.6383.4400 / +800.7339.8766
+65.6383.4664 FAX

China
+86.21.3760.1568 / +400.883.1568
+86.21.3760.1566 FAX

Japan
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron®

ARCHITECTURAL CONNECTIVITY

One 15-pin HD Female to Captive Screw, One 3.5 mm Stereo Mini Jack to Captive Screw

Mini Architectural Adapter Plate

The Extron MAAP Captive Screw Output for Computer Video and PC Audio is part of the Extron family of Mini Architectural Adapter Plates. It features connectors for computer video and audio with pass-through output on captive screw connectors mounted on a triple-space MAAP for ease of integration.

FEATURES

- Computer video: 15-pin female to captive screw
- PC audio: 3.5 mm stereo mini jack to captive screw
- Signals passed through unprocessed
- Available in black, white and RAL9010 white

Color	Part Number
Black	70-808-02
White	70-808-03
RAL9010 White	70-808-05

One 15-pin HD Female to Captive Screw, One 3.5 mm Stereo Mini Jack to Captive Screw; Three RCA Female to Captive Screw

Mini Architectural Adapter Plate

The Extron MAAP Captive Screw Output for Computer Video, PC Audio, Composite Video and Stereo Audio is part of the Extron family of Mini Architectural Adapter Plates. It features connectors for computer video, pc audio, composite video, and stereo audio with pass-through output on captive screw connectors mounted on a triple-space MAAP for ease of integration.

FEATURES

- Computer video: 15-pin female to captive screw
- PC audio: 3.5 mm stereo mini jack to captive screw
- Composite video: RCA female to captive screw
- Stereo audio: RCA female unbalanced stereo audio to captive screw
- Signals passed through unprocessed
- Available in black, white, and RAL9010 white

COLOR	Part Number
Black	70-794-02
White	70-794-03
RAL9010 White	70-794-05

Extron®

USA West
+1.714.491.1500 / +800.633.9876
+1.714.491.1517 FAX

USA East
+1.919.863.1794 / +800.633.9876
+1.919.863.1797 FAX

www.extron.com

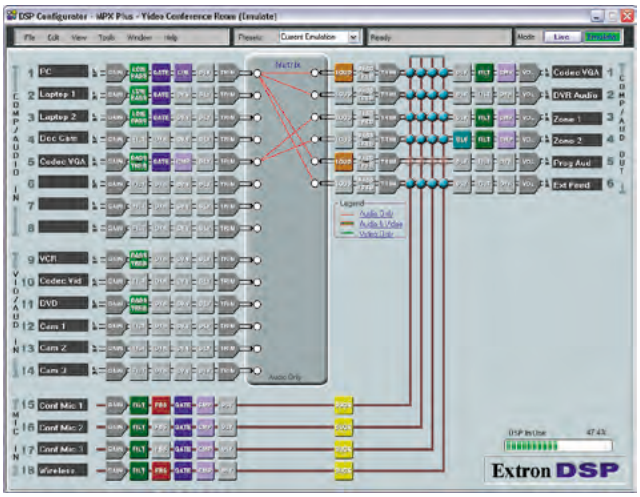
© 2009 Extron Electronics. All rights reserved.
Pricing and specifications may change without notice.

MATRIX SWITCHERS

MPX Plus 866 A

ProDSP™ Media Presentation Matrix Switcher

The MPX Plus 866 A ProDSP Media Presentation Matrix Switcher is the A/V industry's first matrix switcher to incorporate a powerful 32/64-bit floating point DSP engine for complete A/V signal routing and audio control. Extron ProDSP is an audio platform loaded with powerful tools to control level, dynamics, filters, delay, ducking, loudness, and feedback suppression. ProDSP is managed by the intuitive DSP Configurator Software, which also provides for configuration of four matrix switchers: an 8x6 VGA switcher, 6x6 video switcher for composite video and S-video, 14x6 stereo audio switcher, and a 4x6 mic/line audio matrix mixer. The MPX Plus 866 A is a complete, one-box solution that eliminates the need for outboard audio DSP equipment when integrating video and audio in a wide range of common A/V presentation applications.



DSP Configurator Software

FEATURES

- **ProDSP™ professional grade audio signal processing**
  Utilizes a 32/64-bit floating point DSP engine and provides a powerful selection of audio DSP tools
- **Four Matrix Switchers in one:**
  – 8x6 VGA/component video
  – 6x6 composite video or S-video
  – 14x6 stereo audio
  – 4x6 mic/line matrix mixer
- **Extron's exclusive DSP Configurator software**
  Gives integrators a Graphical User Environment to configure and refine DSP settings
- **Low latency DSP processing**
  The ProDSP processing engine supports a large array of concurrent audio processing algorithms while maintaining extremely low latency from input to output
- **24-bit ADCs and DACs with 48 KHz Sampling**
  High performance analog-to-digital converters and digital-to-analog converters fully preserve audio signal integrity
- **4x6 mic/line audio matrix mixing**
  Microphone bussing allows each of the four mic/line inputs to be mixed into any or all of the six matrix switcher audio outputs
- **Composite video and S-video transcoding**
  Includes built-in bi-directional video transcoding, which simplifies the integration of composite video and S-video sources
- **High quality video decoder with time base stabilization**
  A broadcast-quality video decoder eliminates jitter, dot crawl, and other decoding artifacts while also stabilizing and improving the video analog VCRs, worn videotapes or other devices with unstable sync signals

Model	Version Description	Part Number
MPX Plus 866 A	ProDSP Media Presentation Matrix.....	60-796-01

EMEA
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Middle East
+971.4.2991800
+971.4.2991880 FAX

Asia
+65.6383.4400 / +800.7339.8766
+65.6383.4664 FAX

China
+86.21.3760.1568 / +400.883.1568
+86.21.3760.1566 FAX

Japan
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron

MATRIX SWITCHERS

CrossPoint Ultra

Ultra-Wideband Matrix Switchers with ADSP™ for RGB and Stereo Audio

CrossPoint Ultra ultra-wideband matrix switchers are designed to deliver exceptional performance in the most demanding, very high resolution computer-video and stereo audio routing systems. CrossPoint Ultra sets a new standard for engineering excellence in all critical measures of matrix switcher performance, including bandwidth, frequency response, efficiency, reliability, power consumption, and control. CrossPoint Ultra is available in six I/O sizes from 8x4 to 16x16 and is ideal for complex A/V routing applications that require efficient, reliable operation at the highest computer-video resolutions without signal loss or degradation.

FEATURES

- **Ultra-wideband bandwidth performance:**
  8x4, 8x8, and 12x8: 600 MHz (-3dB), fully loaded
  12x12, 16x8, and 16x16: 525 MHz (-3dB), fully loaded
- **Ultra-flat frequency response:** ±0.5 dB from 0 to 130 MHz or better
- **Ultra-low crosstalk:** -56 dB or better @ 100 MHz
- **Ultra-low power consumption:** 30 watts at 120 VAC, full load
- **Ultra-efficient power supply:** Silent, fan-free enclosure
- **Ultra-reliable architecture:** 5th Generation Extron design
- **Ultra-flexible control:** Front panel, serial, and IP Link Ethernet

Model	Version Description	Part Number
CrossPoint Ultra 84 HV	8x4 RGBHV	60-337-22
CrossPoint Ultra 84 HVA	8x4 RGBHV & Stereo Audio	60-337-21
CrossPoint Ultra 88 HV	8x8 RGBHV	60-336-22
CrossPoint Ultra 88 HVA	8x8 RGBHV & Stereo Audio	60-336-21
CrossPoint Ultra 128 HV	12x8 RGBHV	60-334-22
CrossPoint Ultra 128 HVA	12x8 RGBHV & Stereo Audio	60-334-21
CrossPoint Ultra 1212 HV	12x12 RGBHV	60-852-22
CrossPoint Ultra 1212 HVA	12x12 RGBHV & Stereo Audio	60-852-21
CrossPoint Ultra 168 HV	16x8 RGBHV	60-333-22
CrossPoint Ultra 168 HVA	16x8 RGBHV & Stereo Audio	60-333-21
CrossPoint Ultra 1616 HV	16x16 RGBHV	60-332-22
CrossPoint Ultra 1616 HVA	16x16 RGBHV & Stereo Audio	60-332-21

Extron®

USA West
+1.714.491.1500 / +800.633.9876
+1.714.491.1517 FAX

USA East
+1.919.863.1794 / +800.633.9876
+1.919.863.1797 FAX

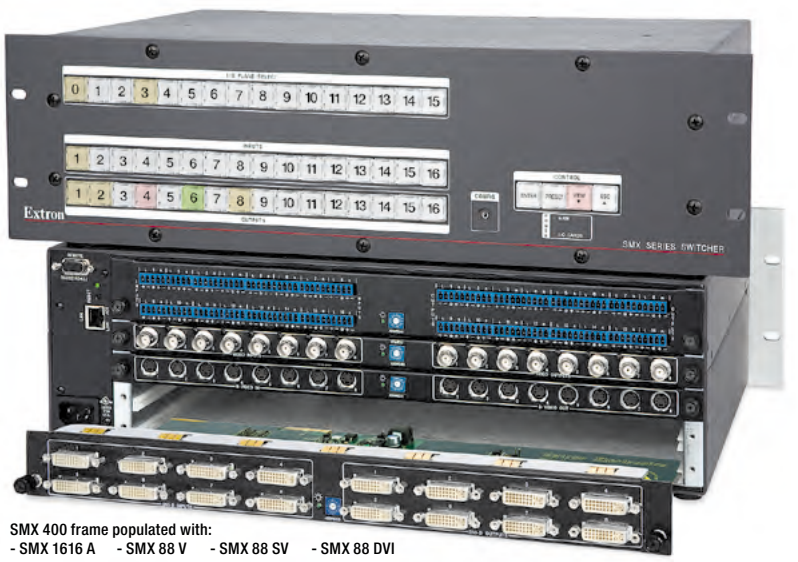
www.extron.com
© 2009 Extron Electronics. All rights reserved.
Pricing and specifications may change without notice.

MATRIX SWITCHERS

SMX System MultiMatrix

Modular Multi-Plane Matrix Switcher

The SMX System MultiMatrix Series of multi-plane matrix switchers combines multiple, independent analog and digital matrix switchers in a truly modular, field-configurable frame. The largest frame supports up to 10 independent matrix boards, all under a single point of control. The SMX combines the proven reliability and high performance of Extron's popular CrossPoint, MAV Plus, HDXP Plus, and MVX Series matrix switchers with the efficiency of a modular matrix switcher design. The SMX System is an ideal choice for medical imaging systems, conference and training facilities, and other mid-sized applications that require the switching of different signal types and a cost-effective upgrade path for ongoing I/O or signal format changes.



SMX 400 frame populated with:
- SMX 1616 A - SMX 88 V - SMX 88 SV - SMX 88 DVI

New Matrix Boards for SMX System MultiMatrix

SMX HDMI

HDMI Matrix Switcher Boards

The SMX HDMI Series Matrix Switcher Boards are designed for routing HDMI video signals with embedded audio and control signals. They support computer video to 1920x1200 and HDTV to 1080p at data rates up to 1.65 Gbps. SMX HDMI matrix boards are HDCP-compliant and provide +5 VDC, 250 mA of power on each output for external peripheral devices. They are available in four I/O sizes: 4x4, 4x8, 8x4, and 8x8.

FEATURES

- Supports computer-video to 1920x1200, HDTV to 1080p
- EDID Minder automatically manages display ID communication between source and display
- Provides +5VDC, 250mA power on each output for external peripheral devices
- Input cable equalization to 100' (30 m) at 1920x1200
- Automatic output reclocking

SMX 44 HDMI

Model	Version Description	Part Number
SMX 44 HDMI	4x4 HDMI; 1 Slot	70-773-01
SMX 48 HDMI	4x8 HDMI; 2 Slots	70-773-05
SMX 84 HDMI	8x4 HDMI; 2 Slots	70-773-02
SMX 88 HDMI	8x8 HDMI; 2 Slots	70-773-03

SMX DVI PRO

HDCP-Compliant DVI Matrix Switcher Boards

The SMX DVI Pro Series Matrix Switcher Boards are designed for routing single link DVI-D video signals with HDCP High-bandwidth Digital Content Protection. These matrix boards support computer video to 1920x1200 and HDTV to 1080p, and enable the routing of content from Blu-ray Disc players and other content-protected sources to one or more displays. SMX DVI Pro matrix boards provide +5 VDC, 250 mA of power on each output for external peripheral devices. For installation convenience and flexibility in cable selection, the boards are equipped with DVI-I connectors for inputs and outputs. They are available in four I/O sizes: 4x4, 4x8, 8x4, and 8x8.

FEATURES

- HDCP compliant
- Single-link DVI-D data rates to 165 MHz
- Supports computer-video to 1920x1200, HDTV to 1080p
- EDID Minder automatically manages display ID communication between source and display
- Provides +5VDC, 250mA power on each output for external peripheral devices
- Input cable equalization to 100' (30 m) at 1920x1200

SMX 48 DVI Pro

Model	Version Description	Part Number
SMX 44 DVI PRO	4x4 DVI w/HDCP; 1 Slot	70-598-11
SMX 48 DVI PRO	4x8 DVI w/HDCP; 2 Slots	70-598-15
SMX 84 DVI PRO	8x4 DVI w/HDCP; 2 Slots	70-598-12
SMX 88 DVI PRO	8x8 DVI w/HDCP; 2 Slots	70-598-13

EMEA
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Middle East
+971.4.2991800
+971.4.2991880 FAX

Asia
+65.6383.4400 / +800.7339.8766
+65.6383.4664 FAX

China
+86.21.3760.1568 / +400.883.1568
+86.21.3760.1566 FAX

Japan
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron

MATRIX SWITCHERS

SMX DVI

DVI Matrix Switcher Boards

The SMX DVI Matrix Switcher Boards are designed for routing single link DVI-D video signals to one or more displays. SMX DVI matrix boards provide +5 VDC, 250 mA of power on each output for external peripheral devices. For installation convenience and flexibility in cable selection, the boards are equipped with DVI-I connectors for inputs and outputs. They are available in four I/O sizes: 4x4, 8x4, 8x4, and 8x8.

FEATURES

- Single-link DVI-D data rates to 165 MHz
- Supports computer-video to 1920x1200, HDTV to 1080p
- EDID Minder automatically manages display ID communication between source and display
- Provides +5VDC, 250mA power on each output for external peripheral devices
- Input cable equalization to 100' (30 m) at 1920x1200

SMX 88 DVI

Model	Version Description	Part Number
SMX 44 DVI	4x4 DVI; 1 Slot	70-598-01
SMX 48 DVI	4x8 DVI; 2 Slots	70-598-05
SMX 84 DVI	8x4 DVI; 2 Slots	70-598-02
SMX 88 DVI	8x8 DVI; 2 Slots	70-598-03

SMX FOX 4G

FOX Fiber Optic Matrix Switcher Boards

The SMX FOX 4G Fiber Optic Matrix Switcher Boards are designed for high speed digital switching up to 4.25 Gbps over singlemode or multimode fiber optic cables. They are fully compatible with the Extron FOX Series Fiber Optics Extender product line and are equipped with industry-standard LC connectors for integration convenience. The SMX FOX 4G Fiber Optic Matrix Switcher Boards are available in four versions: 8x8 and 16x16 for use with singlemode fiber, and 8x8 and 16x16 for use with multimode fiber.

FEATURES

- Fully compatible with Extron FOX Series Fiber Optics Extender product line
- High speed digital switching up to 4.25 Gbps
- Input video signal detection
- Alarm notification for fiber link loss
- Industry-standard LC connectors
- MM - Multimode and SM - Singlemode versions available

SMX 88 FOX 4G SM

Model	Version Description	Part Number
SMX 88 FOX 4G MM	8x8 Fiber Optic, Multimode; 1 Slot	70-634-03
SMX 88 FOX 4G SM	8x8 Fiber Optic, Singlemode; 1 Slot	70-635-03
SMX 1616 FOX 4G MM	16x16 Fiber Optic, Multimode; 1 Slot	70-634-04
SMX 1616 FOX 4G SM	16x16 Fiber Optic, Singlemode; 1 Slot	70-635-04

SMX HD-SDI – New 4x4 Size

Matrix Switcher Board

The SMX Multi-Rate Serial Digital Matrix Switcher Boards are designed for routing multi-rate SDI and HD-SDI serial digital video signals from 19 Mbps to 2.97 Gbps. Two SMX Multi-Rate Serial Digital Matrix Switcher Boards can be used to switch SMPTE 372M dual-link HD-SDI digital video signals. They are available in four I/O sizes: 4x4, 8x4, 8x8, and 16x16

FEATURES

- Automatically adapts to SMPTE and ITU digital video standards for HD-SDI and SDI
- Data rates from 143 Mbps to 2.97 Gbps
- Optimized for SMPTE 372M dual-link HD-SDI
- Passes embedded audio, ancillary ID and metadata information, and SD/HD-SDTI digital video signals
- Input equalization
- Output reclocking

SMX HD-SDI

Model	Version Description	Part Number
SMX 44 HD-SDI	4x4 HD-SDI; 1 Slot	70-597-01

Extron®

USA West
+1.714.491.1500 / +800.633.9876
+1.714.491.1517 FAX

USA East
+1.919.863.1794 / +800.633.9876
+1.919.863.1797 FAX

www.extron.com
© 2009 Extron Electronics. All rights reserved.
Pricing and specifications may change without notice.

MATRIX SWITCHERS

MAV Plus 248 A and MAV Plus 328 A

Matrix Switcher with IP Link® for Stereo Audio

The Extron MAV Plus 248 A and MAV Plus 328 A are new additions to the popular MAV Plus Series of stereo audio matrix switchers. These two new models are designed to route balanced or unbalanced stereo audio signals in applications where there are many more inputs than outputs. They feature audio input gain and attenuation, audio output volume adjustment, backlit I/O selection buttons, and Extron's exclusive IP Link® Ethernet control technology.

FEATURES

- Switch both balanced and unbalanced stereo audio
- Audio input gain and attenuation
- Audio output volume adjustment and muting
- Tri-color, backlit buttons accept custom window labels
- IP Link® Ethernet monitoring and control

MAV Plus 248 A

Model	Version Description	Part Number
MAV Plus 248 A	24x8 Stereo Audio	60-924-03
MAV Plus 328 A	32x8 Stereo Audio	60-925-03

SWITCHERS

SW8 VGA Ars

Eight Input VGA and Stereo Audio Switcher

SW12 VGA Ars

Twelve Input VGA and Stereo Audio Switcher

The SW VGA Ars Series are VGA and stereo audio switchers with eight and twelve inputs. They are designed for applications where multiple high resolution computer video and HDTV component video signals must be switched to one or two displays. The SW8 VGA Ars and SW12 VGA Ars are compatible with computer-video resolutions up to QXGA, and feature dual buffered outputs, input signal sensing, auto-input switching, and multiple modes of control. Both switchers are compatible with high-resolution RGBHV computer-video signals, as well as HDTV component analog signals with tri-level sync.

FEATURES

- 350 MHz (-3dB) RGB bandwidth
- Input signal sensing
- Auto-input switching
- Switches balanced and unbalanced stereo audio
- Audio output volume control via-RS-232
- Active PC audio buffering
- Dual buffered video and audio outputs
- Multiple control options: front panel, RS-232, or contact closure

SW8 VGA Ars

SW12 VGA Ars

Model	Version Description	Part Number
SW8 VGA Ars	Eight Input VGA with Audio	60-902-21
SW12 VGA Ars	Twelve Input VGA with Audio	60-946-21

SW USB

Two and Four Input USB Switchers

The SW2 USB, SW4 USB, and SW4 USB Plus are two- and four-input USB switchers that offer two or four host inputs and provide flexible and dependable switching among the shared USB peripherals. The SW4 USB Plus features an emulation mode that ensures uninterrupted communication between host and peripheral devices for consistent performance. All three models are USB 2.0-compatible and incorporate several key features to ensure ease of integration, configuration flexibility, and control, including port status indication and RS-232 pass-through. The SW USB Series is ideal for use in KVM, interactive whiteboard, and annotator-based applications where reliable USB switching is required.

FEATURES

- USB 2.0 compatible
- Four port output hub with 5V, 500mA available on each output
- RS-232 pass-through
- Port Status LEDs
- Multiple control options: front panel, RS-232, or contact closure
- Host and Peripheral Emulation Mode - SW4 USB Plus model

SW4 USB Plus

Model	Version Description	Part Number
SW2 USB	Two input USB	60-952-01
SW4 USB	Four input USB	60-953-01
SW4 USB Plus	Four Input USB with Emulation	60-954-01

EMEA
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Middle East
+971.4.2991800
+971.4.2991880 FAX

Asia
+65.6383.4400 / +800.7339.8766
+65.6383.4664 FAX

China
+86.21.3760.1568 / +400.883.1568
+86.21.3760.1566 FAX

Japan
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron®

SWITCHERS

SW4 3G HD-SDI

Four Input Multi-rate SDI Switcher

The Extron SW4 3G HD-SDI is a multi-rate SDI digital video switcher with four inputs and dual outputs. It is a convenient and economical solution for switching up to four HD-SDI signals as well as embedded audio, ancillary ID and metadata information. The switcher automatically recognizes and adapts to common SMPTE and ITU serial digital data rates, including 270 Mbps SDI, 1.485 Gbps HD-SDI, and 2.97 Gbps 3G-SDI. The switcher is housed in a compact, 1U high, half-rack width metal enclosure.

FEATURES

- Automatically adapts to SMPTE and ITU digital video standards
- Supports data rates up to 3G-SDI
- Passes embedded audio, ancillary ID and metadata information
- Input data rate reporting
- Automatic input equalization
- Automatic output reclocking

SW4 3G HD-SDI

Model	Version Description	Part Number
SW4 3G HD-SDI	Four Input Multi-Rate SDI Switcher	60-956-01

AUDIO PRODUCTS

XTRA™ Series

Audio Power Amplifiers

The Extron XPA 1002 and XPA 2001 are compact power amplifiers in the XTRA Series, designed for installation in racks, lecterns, or above the ceiling. These ENERGY STAR® qualified amplifiers feature an Extron exclusive, highly efficient, advanced Class D amplifier design with patented CDRS™ – Class D Ripple Suppression technology that eliminates EMI emissions. An Extron exclusive, high efficiency design allows the amplifiers to be fanless and operate in environments with little or no ventilation. These professional grade amplifiers deliver 200 watts of continuous output power. The XPA 1002 stereo power amplifier offers 100 watts per channel output into 4 ohms, while the XPA 2001 mono 70 volt or 100 volt power amplifier models offer 200 watts output.

FEATURES

- **XTRA efficient ENERGY STAR qualified amplifiers**
  Energy efficient products that conserve energy and reduce costs
- **Extron exclusive auto-standby with fast power-up**
  Exceeds ENERGY STAR qualification requirements with an auto-standby feature that automatically enters the amplifier into standby after one hour of inactivity, dramatically reducing power consumption
- **XTRA quiet output with professional grade signal-to-noise and THD performance**
  - XPA 1002 - 105 dB signal-to-noise ratio and THD less than 0.05%
  - XPA 2001 - 100 dB plus signal-to-noise ratio and THD less than 0.1%
- **XTRA cool, no fan operation**
  Generates substantially less heat than other similarly powered amplifiers
- **XTRA compact 1U half rack enclosure**
  Full-sized amplifier power in one quarter to one half the size of many comparable power amplifiers
- **XTRA low EMI with Patented CDRS™ - Class D Ripple Suppression**
  CDRS is an Extron Patented technology that eliminates the high frequency switching ripple and EMI emissions found in all Class D amplifiers
- **UL 2043 plenum rated**
  Allows for installation within a plenum airspace above a drop ceiling

XPA 1002 – Stereo Power Amplifier - 100 Watts Per Channel

XPA 2001-70V – 70 Volt Mono Power Amplifier - 200 Watts

XPA 2001-100V – 100 Volt Mono Power Amplifier - 200 Watts

Model	Version Description	Part Number
XPA 1002	Stereo Power Amp - 100 Watts Per Channel	60-849-01
XPA 2001-70V	70 Volt Mono Power Amp - 200 Watts	60-850-01
XPA 2001-100V	100 Volt Mono Power Amp - 200 Watts	60-850-11

Extron®

USA West
+1.714.491.1500 / +800.633.9876
+1.714.491.1517 FAX

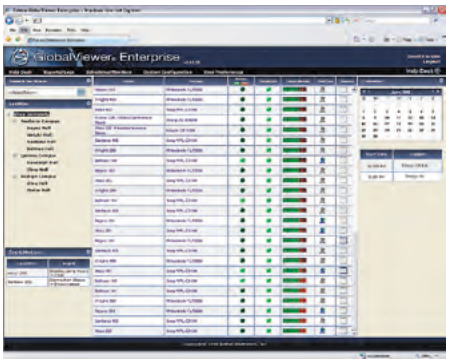
USA East
+1.919.863.1794 / +800.633.9876
+1.919.863.1797 FAX

www.extron.com
© 2009 Extron Electronics. All rights reserved.
Pricing and specifications may change without notice.

IP LINK®

GlobalViewer® Enterprise

Server-Based A/V Resource Management Software



Extron GlobalViewer Enterprise software is designed for managing larger A/V installations. It provides powerful enterprise-wide room control, scheduling, monitoring, data collection, and comprehensive reporting capabilities. Built on Microsoft® .NET® technology, GlobalViewer Enterprise integrates with third-party facility scheduling software for viewing room availability and managing meeting schedules.

GlobalViewer Enterprise works side-by-side with Extron's free GlobalViewer Web application and no programming skills are required to set it up or use it. The easy-to-use interface offers a view of the entire enterprise in a single window and access to detailed room data with just a click of the mouse.

FEATURES

- Server-based A/V system monitoring and resource management software
- Enterprise-wide room control, scheduling, and monitoring for Extron IP Link, MediaLink®, and PoleVault® systems
- Support for integration of third-party control systems, such as AMX® and Crestron®
- Browser independent, easy-to-use, fully customizable interface
- Works in parallel with free GlobalViewer Web application for additional flexibility
- Extensive 24/7 system data collection with a comprehensive set of management reports
- No programming required

Model	Version Description	Part Number
GlobalViewer Enterprise	Server-Based Resource Management Software	29-096-01

MEDIALINK®

MLC 52 RS MK

MediaLink® Controller with IR and RS-232 Display Control - MK Wallplate for UK Junction Boxes

The Extron MLC 52 RS MK Basic MediaLink® Controller is an economical control panel specifically designed for mounting in a 47 mm deep single MK junction box for UK, Singapore, Hong Kong and other markets that use MK-type junction boxes. With IR and unidirectional RS-232 display control, the MLC 52 RS MK provides easy input selection, power, and volume control, making single-projector A/V operations simple. Available with white or brushed aluminum metal faceplate.

FEATURES

- Designed to mount in a 47 mm deep single MK junction box for UK, Singapore, Hong Kong and other markets that use MK-type junction boxes
- Unidirectional RS-232 and IR ports for universal display control
- Configurable backlit buttons
- Configuration options: IR learning, IR beaming, and Extron's easy-to-use configuration software

Model	Version Description	Part Number
MLC 52 RS MK	White	60-744-23
MLC 52 RS MK	Brushed Aluminum	60-744-24

MLC 52 RS VC MK

MediaLink® Controller with IR, RS-232 and Volume Control - MK Wallplate for UK Junction Boxes

The Extron MLC 52 RS VC MK Basic MediaLink® Controller is a two-gang, economical control panel with an integrated volume control knob specifically designed for mounting in a 47 mm deep double MK junction box for the UK, Singapore, Hong Kong and other markets that use MK-type junction boxes. The volume control knob allows for remote volume control of any Extron power amplifier or preamplifier with a remote volume control port. With IR and unidirectional RS-232 display control, the MLC 52 RS VC MK provides easy input selection, power, and volume control, making classroom A/V operations simple. Available with white or brushed aluminum metal faceplate.

FEATURES

- Designed to mount in a 47 mm deep double MK junction box for UK, Singapore, Hong Kong and other markets that use MK-type junction boxes
- Unidirectional RS-232 and IR ports for universal display control
- Integrated volume control knob for remote volume control of an Extron power amplifier
- Configurable backlit buttons
- Configuration options: IR learning, IR beaming, and Extron's easy-to-use configuration software

Model	Version Description	Part Number
MLC 52 RS VC MK	White	60-745-23
MLC 52 RS VC MK	Brushed Aluminum	60-745-24

EMEA
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Middle East
+971.4.2991800
+971.4.2991880 FAX

Asia
+65.6383.4400 / +800.7339.8766
+65.6383.4664 FAX

China
+86.21.3760.1568 / +400.883.1568
+86.21.3760.1566 FAX

Japan
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron®

MEDIALINK®

MLC 52 RS EU

MediaLink® Controller with IR and RS-232 Display Control - EU Wallplate for European Junction Boxes

The Extron MLC 52 RS EU Basic MediaLink® Controller is an economical control panel specifically designed for mounting in a two-gang EU junction box for the European market. With IR and unidirectional RS-232 display control, the MLC 52 RS EU provides easy input selection, power, and volume control, making single-projector A/V operations simple. Available with brushed aluminum or RAL9010 white metal faceplate.

FEATURES

- Designed to mount in a two-gang European junction box
- Unidirectional RS-232 and IR ports for universal display control
- Configurable backlit buttons
- Configuration options: IR learning, IR beaming, and Extron's easy-to-use configuration software

Model	Version Description	Part Number
MLC 52 RS EU	RAL9010 White	60-744-35
MLC 52 RS EU	Brushed Aluminum	60-744-34

MLC 52 RS VC EU

MediaLink® Controller with IR, RS-232 and Volume Control - EU Wallplate for European Junction Boxes

The Extron MLC 52 RS VC EU Basic MediaLink® Controller is an economical control panel specifically designed for mounting in a two-gang EU junction box for the European market. The volume control knob allows for remote volume control of any Extron power amplifier or preamplifier with a remote volume control port. With IR and unidirectional RS-232 display control, the MLC 52 RS VC EU provides easy input selection, power, and volume control, making single-projector A/V operations simple. Available with brushed aluminum or RAL9010 white metal faceplate.

FEATURES

- Designed to mount in a two-gang European junction box
- Unidirectional RS-232 and IR ports for universal display control
- Integrated volume control knob for remote volume control of an Extron power amplifier
- Configurable backlit buttons
- Configuration options: IR learning, IR beaming, and Extron's easy-to-use configuration software

Model	Version Description	Part Number
MLC 52 RS VC EU	RAL9010 White	60-745-35
MLC 52 RS VC EU	Brushed Aluminum	60-745-34

MediaLink® Controllers in New Brushed Aluminum Finish

MLC 104 IP Plus and MLC 226 IP

MLC 104 IP Plus

MLC 226 IP

Model	Version Description	Part Number
MLC 104 IP Plus	Brushed Aluminum	60-818-04
MLC 226 IP	Brushed Aluminum	60-600-04

Extron®

USA West
+1.714.491.1500 / +800.633.9876
+1.714.491.1517 FAX

USA East
+1.919.863.1794 / +800.633.9876
+1.919.863.1797 FAX

www.extron.com
© 2009 Extron Electronics. All rights reserved.
Pricing and specifications may change without notice.

DISTRIBUTION AMPLIFIERS

CVEQ 100 AAP and CVEQ 100 MAAP

Composite Video Line Drivers with Audio

The CVEQ 100 AAP and CVEQ 100 MAAP are high performance one input, one output line drivers for composite video and audio. They are designed to compensate for signal attenuation and high frequency loss encountered during long cable runs. The CVEQ 100 AAP and CVEQ 100 MAAP are capable of driving video and audio signals up to 1,000 feet (300 meters) on Extron MHR or RG59 high resolution video and STP series audio cables. Two architectural mount form factors are available: AAP - Architectural Adapter Plate, and MAAP - Mini Architectural Adapter Plate.

FEATURES

- Long distance video line driver
- Long distance audio line driver
- Adjustable gain control
- Adjustable EQ control
- Buffers and balances audio input
- Selectable stereo or dual mono audio output

CVEQ 100 AAP

CVEQ 100 MAAP

Model	Version Description	Part Number
CVEQ 100 AAP	AAP Module - Black	70-663-02
CVEQ 100 AAP	AAP Module - White	70-663-03
CVEQ 100 MAAP	MAAP Module - Black	70-667-02
CVEQ 100 MAAP	MAAP Module - White	70-667-03
CVEQ 100 MAAP	MAAP Module - RAL9010	70-667-05

SVEQ 100 AAP and SVEQ 100 MAAP

S-Video Line Drivers with Audio

The SVEQ 100 AAP and SVEQ 100 MAAP are high performance one input, one output line drivers for S-video and audio. They are designed to compensate for signal attenuation and high frequency loss encountered during long cable runs. The SVEQ 100 AAP and SVEQ 100 MAAP are capable of driving video and audio signals up to 1,000 feet (300 meters) on Extron MHR or RG59 high resolution video and STP series audio cables. Two architectural mount form factors are available: AAP - Architectural Adapter Plate, and MAAP - Mini Architectural Adapter Plate.

FEATURES

- Long distance video line driver
- Long distance audio line driver
- Adjustable gain control
- Adjustable EQ control
- Buffers and balances audio input
- Selectable stereo or dual mono audio output

SVEQ 100 AAP

SVEQ 100 MAAP

Model	Version Description	Part Number
SVEQ 100 AAP	AAP Module - Black	70-664-02
SVEQ 100 AAP	AAP Module - White	70-664-03
SVEQ 100 MAAP	MAAP Module - Black	70-668-02
SVEQ 100 MAAP	MAAP Module - White	70-668-03
SVEQ 100 MAAP	MAAP Module - RAL9010	70-668-05

CSVEQ 100 D

Composite Video, S-Video, and Audio Line Driver - Decora® Wallplate

The CSVEQ 100 D is a high performance line driver for composite video, S-video, and audio. It is designed to compensate for signal attenuation and high frequency loss encountered during long cable runs. The CSVEQ 100 D is capable of simultaneously driving composite video and S-video plus audio signals up to 1000' (300 m) on Extron MHR or equivalent high resolution video cables and STP series audio cables. The CSVEQ 100 D mounts in a Decora style wallplate and is ideal for use in residential and commercial environments where video and audio signals need to be extended over a long distance.

FEATURES

- Independent line drivers for composite video, S-video, and audio in one product
- Simultaneously drives composite video, S-video, and audio signals
- Long distance video line driver
- Long distance audio line driver
- Separate gain and EQ controls for composite video and S-video
- Independent variable gain control

Model	Version Description	Part Number
CSVEQ 100 D	Decora Wallplate - White	60-951-02
CSVEQ 100 D	Decora Wallplate - Black	60-951-03

EMEA
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Middle East
+971.4.2991800
+971.4.2991880 FAX

Asia
+65.6383.4400 / +800.7339.8766
+65.6383.4664 FAX

China
+86.21.3760.1568 / +400.883.1568
+86.21.3760.1566 FAX

Japan
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron®

DISTRIBUTION AMPLIFIERS

3G HD-SDI 101

One Input, One Output Cable Equalizer for Multi-rate SDI

The 3G HD-SDI 101 is a one-input, one-output cable equalizer for multi-rate SDI digital video signals. It offers a convenient, economical solution for sending multi-rate SDI digital video signals over long coaxial cable runs. The 3G HD-SDI 101 supports all common serial digital video data rates up to 2.97 Gbps, and also passes embedded audio and other ancillary data allowed by the SMPTE and ITU specifications. It features automatic input equalization up to 400 feet (120 m) for all SDI data rates and 200 feet (60 m) for HD-SDI data rates up to 3G-SDI video. It is housed in a one-eighth rack width, metal enclosure, providing integration-friendly mounting options for both new and existing A/V systems.

FEATURES

- Automatically adapts to SMPTE and ITU digital video standards
- Supports SDI and HD-SDI signals at data rates up to 3G-SDI video
- Automatic input equalization
- Automatic output reclocking
- Passes embedded audio, ancillary ID, and metadata information

Model	Version Description	Part Number
3G HD-SDI 101	Multi-Rate SDI Cable Equalizer	60-963-01

P/2 DA2 D

Two Output VGA Distribution Amplifier with Audio - Decora® Wallplate

The Extron P/2 DA2 D is a two output VGA and audio distribution amplifier designed to mount in a one-gang, Decora style wall plate. It is capable of driving high resolution computer video signals up to 250 feet (75 meters) on Extron M59 or equivalent cable. The P/2 DA2 D also offers a local monitor output for convenient connection to a local computer monitor, and the option to output audio as dual mono or stereo. The P/2 DA2 D is available in black or white and is ideal for use in permanent, in-wall applications requiring long distance transmission of high resolution video signals and audio.

FEATURES

- 350 MHz (-3dB) RGB video bandwidth
- Compatible with VGA-QXGA resolutions
- Drives VGA and audio signals long distances up to 250 feet (75 m)
- One input, two buffered outputs
- Active PC audio buffering
- Selectable gain and peaking

Model	Version Description	Part Number
P/2 DA2 D	1x2 VGA Decora - Black	60-955-02
P/2 DA2 D	1x2 VGA Decora - White	60-955-03

Extron®
USA West
+1.714.491.1500 / +800.633.9876
+1.714.491.1517 FAX
USA East
+1.919.863.1794 / +800.633.9876
+1.919.863.1797 FAX
www.extron.com
© 2009 Extron Electronics. All rights reserved.
Pricing and specifications may change without notice.

DISTRIBUTION AMPLIFIERS

P/2 DA8

Eight Output VGA Distribution Amplifier

P/2 DA8 A

Eight Output VGA Distribution Amplifier with Audio

P/2 DA8 A

The Extron P/2 DA8 and P/2 DA8 A are eight-output VGA distribution amplifiers. They accept a single VGA input signal and actively split it for distribution to multiple outputs. Offering 350 MHz (-3dB) of RGB video bandwidth, the P/2 DA8 and P/2 DA8 A are compatible with VGA-QXGA graphic cards, projectors and flat panel displays. Outputs are individually buffered and amplified to help maintain the original signal integrity and eliminate noise interference. ID bits are routed to output one for local monitor support. The P/2 DA8 A has an integrated one input, eight output stereo audio distribution amplifier. It features active PC audio buffering which converts unbalanced PC audio to balanced, line level signals, eliminating noise over long cable runs.

FEATURES

- 350 MHz (-3dB) RGB video bandwidth, fully loaded
- Compatible with VGA-QXGA resolutions
- DDC signals and ID bits routed to local monitor output
- Individual output muting via contact closure
- Selectable input and output sync impedance
- Active PC audio buffering - P/2 DA8

Model	Version Description	Part Number
P/2 DA8	1x8 VGA-QXGA	60-891-02
P/2 DA8 A	1x8 VGA-QXGA with Audio	60-891-01

P/2 DA12

Twelve Output VGA Distribution Amplifier

P/2 DA12 A

Twelve Output VGA Distribution Amplifier

P/2 DA12 A

The Extron P/2 DA12 and P/2 DA12 A are 12-output VGA distribution amplifiers. They accept a single VGA input signal and actively split it for distribution to multiple outputs. Offering 350 MHz (-3dB) of RGB video bandwidth, the P/2 DA12 and P/2 DA12 A are compatible with VGA-QXGA graphic cards, projectors and flat panel displays. Outputs are individually buffered and amplified to help maintain the original signal integrity and eliminate noise interference. ID bits are routed to output one for local monitor support. The P/2 DA12 A has an integrated one input, twelve output stereo audio distribution amplifier. It features active PC audio buffering which converts unbalanced PC audio to balanced, line level signals, eliminating noise over long cable runs.

FEATURES

- 350 MHz (-3dB) RGB video bandwidth, fully loaded
- Compatible with VGA-QXGA resolutions
- DDC signals and ID bits routed to local monitor output
- Individual output muting via contact closure
- Selectable input and output sync impedance
- Active PC audio buffering - P/2 DA12 A

Model	Version Description	Part Number
P/2 DA12	1x12 VGA-QXGA	60-893-02
P/2 DA12 A	1x12 VGA-QXGA with Audio	60-893-01

EMEA
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Middle East
+971.4.2991800
+971.4.2991880 FAX

Asia
+65.6383.4400 / +800.7339.8766
+65.6383.4664 FAX

China
+86.21.3760.1568 / +400.883.1568
+86.21.3760.1566 FAX

Japan
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron®

DVI & HDMI

DVI DA Plus

Four, Six, and Eight Output DVI Distribution Amplifiers

The Extron DVI DA Plus are DVI distribution amplifiers with four, six, or eight outputs. Each model accepts one single link DVI source and distributes equalized digital video signals to multiple devices. They are compatible with computer resolutions up to 1920x1200 @ 60Hz, including HDTV 1080p/60. These DAs are ideal for environments where a fully-digital signal path from source to destination is preferred. All DVI DA Plus models feature EDID Minder, which maintains continuous EDID - Extended Display Identification Data, communication with the attached source, and ensures that the DVI source powers up properly and maintains proper video output even if the digital display device is off.

FEATURES

- Single link DVI-D signal distribution
- Supports single link DVI-D signals up to 1920x1200, including HDTV 1080p/60
- EDID Minder
- Automatic input equalization
- DDC routing to local output

DVI DA4 Plus

DVI DA8 Plus

Model	Version Description	Part Number
DVI DA4 Plus	Four Output DVI Distribution Amplifier	60-931-01
DVI DA6 Plus	Six Output DVI Distribution Amplifier	60-932-01
DVI DA8 Plus	Eight Output DVI Distribution Amplifier	60-933-01

DVI DL 101

Dual Link DVI Cable Equalizer

The Extron DVI DL 101 is a dual link DVI equalizer that offers a convenient, economical solution for extending dual link and single link DVI signals beyond the specified 5 meter (15 foot) limitation with dual link DVI cables. The DVI DL 101 attaches to the end of a long DVI cable run of up to 200 feet (60 meters). It automatically provides the necessary active equalization to ensure optimal image quality with high resolution computer-video signals up to 2560x1600 as well as all HDTV signals including 1080p/60.

FEATURES

- Extends dual link DVI-D signals over dual link DVI cable up to 200 feet (60 meters)
- Compatible with resolutions up to 2560x1600 and HDTV 1080p/60
- Provides automatic equalization to ensure optimized image quality over very long DVI cables
- LED indicator for source signal presence and power
- Supports DDC and HDCP
- 1" (2.5 cm) high, quarter rack width metal enclosure

Model	Version Description	Part Number
DVI DL 101	Dual Link DVI Cable Equalizer	60-962-01

DVI DL 201

Dual Link DVI Twisted Pair Extender

The Extron DVI DL 201 is a transmitter and receiver set that enables dual link or single link DVI signals to be carried over distances significantly greater than the specified 5 meter (15 foot) limitation for dual link DVI cables. Linked together using three economical and integration friendly CAT 5, CAT 5e, CAT 6, or CAT 7 cables, the DVI DL 201 transmitter and receiver work together to send dual link or single link DVI-D signals up to 200 feet.

FEATURES

- Transmits dual link DVI-D and RS-232 signals over three CAT 5-type cables
- Sends 2560x1600 signals over 100 feet (30 meters), XGA (1024x768) signals over 200 feet (60 meters)
- DVI input loop-through
- Supports DDC and HDCP
- EDID Minder
- Remote powering of transmitter or receiver
- Bi-directional RS-232/IR pass-through

DVI DL 201 Transmitter

DVI DL 201 Receiver

Model	Version Description	Part Number
DVI DL 201 Tx/Rx	Transmitter/Receiver Set	60-957-01
DVI DL 201 Tx	Transmitter	60-957-12
DVI DL 201 Rx	Receiver	60-957-13

Extron®

USA West
+1.714.491.1500 / +800.633.9876
+1.714.491.1517 FAX

USA East
+1.919.863.1794 / +800.633.9876
+1.919.863.1797 FAX

www.extron.com
© 2009 Extron Electronics. All rights reserved.
Pricing and specifications may change without notice.

DVI & HDMI

DVI 104

DVI Fiber Optic Extender

The Extron DVI 104 Fiber Optic Extender is a transmitter and receiver set that provides an effective, economical solution for extending single link DVI-D signals significantly beyond the specified 5 meter (15 foot) limitation for standard DVI cables. Engineered for reliability and exceptional high resolution image performance, it uses all digital, zero compression technology to deliver perfect pixel-for-pixel transmission of computer-video images up to 1920x1200 resolution, including HDTV 1080p/60. The DVI 104 extends DVI-D signals over four multimode fiber optic cables at lengths up to 500 meters (1,640 feet).

FEATURES

- Transmits single link DVI-D signals over four multimode fiber optic cables
- Sends 1920x1200 and HDTV 1080p/60 signals up to 500 meters (1,640 feet)
- Pre-terminated multimode fiber optic cables available from Extron in various lengths from 10 meters (33 feet) to 300 meters (984 feet)
- EDID Minder
- Transmitter can be self-powered by source signal
- Direct device connection

DVI 104 with 4LC MM Fiber Optic Cable

Model	Version Description	Part Number
DVI 104 Tx/Rx	Transmitter/Receiver Set	60-977-01
DVI 104 Tx	Transmitter	60-977-12
DVI 104 Rx	Receiver	60-977-13

RGB-DVI 300

RGB to DVI Scaler

The Extron RGB-DVI 300 is a high performance RGB to DVI scaler that converts incoming analog component video and RGBHV signals to DVI-D signals. It accepts HDTV and high resolution computer-video signals up to 1920x1200, and offers multiple output rates up to 1920x1200, including HDTV 1080p/60. The RGB-DVI 300 is housed in a compact, low-profile enclosure for placement behind flat-panel displays, and offers several features for streamlining integration and enhancing system operation, including Auto Input Memory, Auto-Image™ setup, and RS-232 serial control.

FEATURES

- RGB and HDTV component video to DVI scaling
- 61 selectable output rates up to 1920x1200, including HDTV 1080p/60
- Auto-Image™ setup
- Auto Input Memory
- Picture controls for brightness, contrast, detail, horizontal and vertical positioning, sizing, and zoom
- On-screen display
- RS-232 serial control port
- Internal test patterns for calibration and setup

Model	Version Description	Part Number
RGB-DVI 300	RGB to DVI Scaler	60-906-01

RGB-HDMI 300

RGB to HDMI Scaler

The Extron RGB-HDMI 300 is a high performance RGB to HDMI scaler that converts incoming analog component video and RGBHV signals to HDMI signals. It accepts HDTV and high resolution computer-video signals up to 1920x1200, and offers multiple output rates up to 1920x1200, including HDTV 1080p/60. The RGB-HDMI 300 is housed in a compact, low-profile enclosure for placement behind flat-panel displays, and offers several features for streamlining integration and enhancing system operation, including Auto Input Memory, Auto-Image™ setup, and RS-232 serial control.

FEATURES

- RGB and HDTV component video to HDMI scaling
- 61 selectable output rates up to 1920x1200, including HDTV 1080p/60
- Auto-Image™ setup
- Auto Input Memory
- Picture controls for brightness, contrast, detail, horizontal and vertical positioning, sizing, and zoom
- On-screen display
- RS-232 serial control port
- Internal test patterns for calibration and setup

Model	Version Description	Part Number
RGB-HDMI 300	RGB to HDMI Scaler	60-907-01

EMEA
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Middle East
+971.4.2991800
+971.4.2991880 FAX

Asia
+65.6383.4400 / +800.7339.8766
+65.6383.4664 FAX

China
+86.21.3760.1568 / +400.883.1568
+86.21.3760.1566 FAX

Japan
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron®

DVI & HDMI

DVID SL Pro

Single Link DVI-D Male to Male Cables

The Extron DVID SL Pro cables are engineered to support the high resolution demands of single link DVI-D signals. Extron superior quality and high performance DVID SL Pro cables are designed to enable flawless transmission of DVI signals up to 1920x1200. They can be used for direct connection between DVI equipped source and destination devices. The DVID SL Pro assemblies are available in lengths from 3' to 12'.

FEATURES

- High performance single link DVI-D cables
- 1080p/60 verified
- NEC CL2 rated, non-plenum cable
- Gold plated contacts

Model	Version Description	Part Number
DVID SL Pro/3	3' (90 cm)	26-649-03
DVID SL Pro/6	6' (1.8 m)	26-649-06
DVID SL Pro/12	12' (3.6 m)	26-649-12

DVID DL Pro

Dual Link DVI-D Male to Male Cables

Extron DVID DL Pro cables are engineered to support the ultra high resolution demands of dual link DVI-D signals. Extron superior quality and high performance DVID DL Pro cables are designed to enable flawless transmission of dual link DVI signals up to 2560x1600. They can be used for direct connection between dual link DVI equipped source and destination devices. The DVID DL Pro assemblies are available in lengths from 3' to 12'.

FEATURES

- Superior performance Dual Link DVI-D cables specifically designed to carry ultra high resolution digital video signals
- 1080p/60 verified
- NEC CL2 rated, non-plenum cable
- Gold plated contacts

Model	Version Description	Part Number
DVID DL Pro/3	3' (90 cm)	26-651-03
DVID DL Pro/6	6' (1.8 m)	26-651-06
DVID DL Pro/12	12' (3.6 m)	26-651-12

HDMI M-M Pro

High Performance HDMI Male to Male Cables

The Extron HDMI M-M Pro cables are designed to carry uncompressed HDTV or computer video signals, as well as multi-channel digital audio and control signals, on a single cable. These cable assemblies support HDMI 1.3 and pass all embedded components, such as digital audio and CEC-Consumer Electronics Control information.

FEATURES

- Supports the higher data rates required by HDMI 1.3 Category 2 signals
- Supports higher refresh rates, accommodating up to 120 Hz
- Supports HDMI 1.3 deep color up to 48 bits
- Superior performance HDMI cables specifically designed to carry high definition digital video and multi-channel audio signals
- 1080p/60 verified
- Gold plated contacts

Model	Version Description	Part Number
HDMI M-M Pro/3	3' (90 cm)	26-650-03
HDMI M-M Pro/6	6' (1.8 m)	26-650-06
HDMI M-M Pro/12	12' (3.6 m)	26-650-12

Extron®

USA West
+1.714.491.1500 / +800.633.9876
+1.714.491.1517 FAX

USA East
+1.919.863.1794 / +800.633.9876
+1.919.863.1797 FAX

www.extron.com

© 2009 Extron Electronics. All rights reserved.
Pricing and specifications may change without notice.

FIBER OPTICS

FOX 4G Matrix 14400

Modular Fiber Optic Matrix Switcher from 16x16 to 144x144

The Extron FOX 4G Matrix 14400 is a high performance, modular fiber optic matrix switcher for complete, end-to-end digital A/V signal transmission and routing over fiber optic cable. The FOX 4G Matrix 14400 is expandable in sizes from 16x16 up to 144x144, and is fully compatible with the FOX Series of fiber optic transmitters and receivers. Supporting rates up to 4.25 Gbps, it accepts and routes standard definition video, high resolution computer-video, DVI-D, and multi-rate SDI. Equipped with the integration-friendly features common to Extron matrix switchers, together with hot-swappable I/O boards and fan, real-time system monitoring, and redundant, hot-swappable power supplies, the FOX 4G Matrix 14400 delivers highly reliable, enterprise-wide switching of fiber optic A/V and control signals for any mission-critical environment.

FEATURES

- I/O sizes from 16x16 to 144x144
- High speed digital switching up to 4.25 Gbps
- Multimode and singlemode I/O boards available
- Modular, field-upgradeable and hot-swappable design
- Dual redundant and hot-swappable power supplies
- Advanced computer-aided diagnostics
- Input video signal detection
- Status LED indicators for fiber link status
- Alarm notification for fiber link loss
- Two AC power inputs
- Industry standard LC connectors provide reliable physical connectivity and precise fiber core alignment
- View I/O mode
- I/O grouping
- Global presets
- Rooming
- IP Link® Ethernet monitoring and control
- RS-232 and RS-422 serial control port
- Front panel configuration port
- Rack-mountable 8U, full rack width metal enclosure

Model	Version Description	Part Number
FOX 4G Matrix 14400 Frame	Modular Fiber Optic Frame	60-969-01
FOX 4G Matrix I/O Board - MM	Multimode	70-771-01
FOX 4G Matrix I/O Board - SM	Singlemode	70-771-02

EMEA
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Middle East
+971.4.2991800
+971.4.2991880 FAX

Asia
+65.6383.4400 / +800.7339.8766
+65.6383.4664 FAX

China
+86.21.3760.1568 / +400.883.1568
+86.21.3760.1566 FAX

Japan
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron®

FIBER OPTICS

Fiber Matrix 6400 3G HD-SDI I/O Board

8x8 HD-SDI I/O Board for the Fiber Matrix 6400

The Extron Fiber Matrix 6400 3G HD-SDI Board is available as an option for the Fiber Matrix 6400 Modular Fiber Optic Matrix Switcher, and enables connection to local multi-rate SDI-equipped devices. This board offers an 8x8 configuration for switching and distribution of multi-rate SDI signals up to 2.97 Gbps, including SDI, HD-SDI, and 3G-SDI. With this board, the Fiber Matrix 6400 can be configured as a dedicated multi-rate SDI matrix switcher up to 64x64, or a combination of multi-rate SDI and fiber optic matrix switching. The Fiber Matrix 6400 3G HD-SDI Board is compliant with SMPTE 259M, 292M, 424M, and ITU digital video standards.

FEATURES

- Supports multi-rate SDI at rates up to 2.97 Gbps
- Hot-swappable
- Passes embedded audio, ancillary ID and metadata information, and SD/HD-SDTI digital video signals
- Input equalization and reclocking on buffered outputs
- Individually buffered inputs and outputs

Note: The Fiber Matrix 6400 3G HD-SDI Board is not compatible with the FOX 4G Matrix 14400.

8x8 HD-SDI I/O Board

Fiber Matrix 6400

Model	Version Description	Part Number
Fiber Matrix 6400 3G HD-SDI I/O Board	8x8 Multi-Rate SDI	70-650-01

FOX 2G AV

Fiber Optic Extender for Video, Audio, and RS-232

The Extron FOX 2G AV Fiber Optic Extender is a transmitter and receiver set for long haul transmission of standard definition video, audio, and RS-232 control signals over a single fiber. Engineered for reliability and exceptional video performance, it uses Extron's exclusive all digital, zero compression technology, to deliver perfect pixel-for-pixel transmission of video signals including component video, S-video, and composite video. Designed specifically for A/V systems, the FOX 2G AV also includes a host of integrator-friendly features such as picture and audio adjustments, daisy-chain capability, Auto Input Format Detection, rack-mount capability, and real-time system monitoring.

FEATURES

- Extends standard definition video, stereo audio, and RS-232 control signals very long distances over a single fiber
- Accepts component video, S-video, and composite video signals
- All digital, zero compression technology provides pixel-for-pixel performance
- Auto Input Format Detection
- Picture and audio adjustments
- Internal transcoding with selectable output format
- Daisy-chain capability
- Multimode and singlemode models available
- RS-232 serial control at transmitter and receiver
- Real-time status LED indicators for troubleshooting and monitoring

FOX 2G AV Transmitter

FOX 2G AV Receiver

Model	Version Description	Part Number
FOX 2G Tx AV MM	Multimode - Transmitter	60-941-11
FOX 2G Rx AV MM	Multimode - Receiver	60-941-21
FOX 2G Tx AV SM	Singlemode - Transmitter	60-941-12
FOX 2G Rx AV SM	Singlemode - Receiver	60-941-22

Extron®

USA West
+1.714.491.1500 / +800.633.9876
+1.714.491.1517 FAX

USA East
+1.919.863.1794 / +800.633.9876
+1.919.863.1797 FAX

www.extron.com
© 2009 Extron Electronics. All rights reserved.
Pricing and specifications may change without notice.

FIBER OPTICS

FOXBOX 4G DVI

Fiber Optic Extender for DVI, Audio, and RS-232

The Extron FOXBOX 4G DVI Fiber Optic Extender is a transmitter and receiver set for long haul transmission of DVI, audio, and RS-232 control signals over a single fiber. Engineered for reliability and exceptional high resolution image performance, it uses Extron's exclusive all digital, zero compression technology, to deliver perfect pixel-for-pixel transmission of DVI computer-video images up to UXGA (1600x1200) resolution, including HDTV 1080p/60. Designed specifically for A/V systems, the FOXBOX 4G DVI also includes a host of integrator-friendly features such as an EDID emulation mode, Auto Input Memory, RS-232 control from multiple locations, internal test patterns, and real-time system monitoring. Compact, low profile enclosures allow for discreet installation behind a flat-panel display, and multiple receivers can be daisy-chained.

FEATURES

- Extends single link DVI-D, stereo audio, and RS-232 control signals very long distances over a single fiber
- All digital, zero compression technology provides pixel-for-pixel performance with signals up to 1600x1200, including HDTV 1080p/60
- Daisy-chain capability
- Multimode and singlemode models available
- Real-time status LED indicators for troubleshooting and monitoring
- Alarm notification for fiber link loss
- EDID emulation mode
- RS-232 serial control at transmitter and receiver
- 1" (2.5 cm) high, quarter rack width metal enclosures

FOXBOX 4G DVI Transmitter

FOXBOX 4G DVI Receiver

Model	Version Description	Part Number
FOXBOX 4G Tx DVI MM	Multimode - Transmitter	60-935-11
FOXBOX 4G Rx DVI MM	Multimode - Receiver	60-935-21
FOXBOX 4G Tx DVI SM	Singlemode - Transmitter	60-935-12
FOXBOX 4G Rx DVI SM	Singlemode - Receiver	60-935-22

FOXBOX 4G VGA

Fiber Optic Extender for VGA, Audio, and RS-232

The Extron FOXBOX 4G VGA Fiber Optic Extender is a transmitter and receiver set for long haul transmission of high resolution VGA, audio, and RS-232 control signals over a single fiber. Engineered for reliability and exceptional high resolution image performance, it uses Extron's exclusive all digital, zero compression technology, to deliver perfect pixel-for-pixel transmission of computer-video images up to UXGA (1600x1200) resolution. Designed specifically for A/V systems, the FOXBOX 4G VGA also includes a host of integrator-friendly features such as image adjustments and calibration, Auto Input Memory, RS-232 control from multiple locations, internal test patterns, and real-time system monitoring. Compact, low profile enclosures allow for discreet installation behind a flat-panel display, and multiple receivers can be daisy-chained.

FEATURES

- Extends VGA, stereo audio, and RS-232 control signals very long distances over a single fiber
- All digital, zero compression technology provides pixel-for-pixel performance with signals up to 1600x1200
- Daisy-chain capability
- Multimode and singlemode models available
- Real-time status LED indicators for troubleshooting and monitoring
- Alarm notification for fiber link loss
- RS-232 serial control at transmitter and receiver
- 1" (2.5 cm) high, quarter rack width metal enclosures

FOXBOX 4G VGA Transmitter

FOXBOX 4G VGA Receiver

Model	Version Description	Part Number
FOXBOX 4G Tx VGA MM	Multimode - Transmitter	60-934-11
FOXBOX 4G Rx VGA MM	Multimode - Receiver	60-934-21
FOXBOX 4G Tx VGA SM	Singlemode - Transmitter	60-934-12
FOXBOX 4G Rx VGA SM	Singlemode - Receiver	60-934-22

EMEA
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Middle East
+971.4.2991800
+971.4.2991880 FAX

Asia
+65.6383.4400 / +800.7339.8766
+65.6383.4664 FAX

China
+86.21.3760.1568 / +400.883.1568
+86.21.3760.1566 FAX

Japan
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron®

ACCESSORIES

PS Series

9V, 12V, & 15V Desktop Power Supplies Featuring ZipClip™

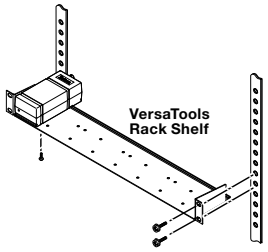
The Extron PS Series of External Power Supplies offers high reliability and energy efficiency, along with versatile mounting options for easy integration. The ENERGY STAR® qualified power supplies lower power consumption to reduce operating costs and help meet green building requirements.

FEATURES

- ENERGY STAR® qualified power supplies for low power consumption and reduced operating costs
- Extron designed and engineered for increased durability and reliability with an MTBF of 400,000 hours
- LED indicates that the power supply is active
- Rack Mountable
- Patent Pending enclosure
- Patent Pending ZipClip™ mounting bracket included
- Mounts securely on a variety of surfaces, including rack rails, tables, lecterns, projector poles, and table legs
- Universal IEC input easily accepts international power cords

Model	Version Description	Part Number
PS 910 C	9V, 1A, Captive Screw	70-774-01
PS 910 P	9V, 1A, terminated with DC Plug	70-777-01
PS 1210 C	12V, 1A, Captive Screw	70-775-01
PS 1210 P	12V, 1A, terminated with DC Plug	70-778-01
PS 1508 C	15V, 0.8A, Captive Screw	70-776-01

PS 1210 C



1/8 width, Rack Shelf Mounting

ZipClip™ 100

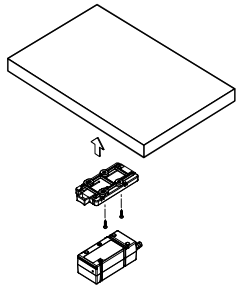
Mounting Kit for PS Series Power Supplies

The Extron ZipClip 100 mounting kit enables the Extron PS Series of External Power Supplies to be securely mounted on most surfaces, including racks, tables, and lecterns.

FEATURES

- Patent pending ZipClip mounting system
- Enables the Extron PS Series of External Power Supplies to be securely mounted to rack rails, tables, shelves, and lecterns
- Locks power supplies into place with a simple "click"
- Wire tie slots for proper strain relief and dressing of excess cable
- Ideal for use with products that include the new PS Series power supplies
- Designed and manufactured by Extron

Model	Version Description	Part Number
ZipClip 100	Qty. 10 mounting clips and accessories	101-002-01



ZipClip 100 Under Desk Mounting

Extron®

USA West
+1.714.491.1500 / +800.633.9876
+1.714.491.1517 FAX

USA East
+1.919.863.1794 / +800.633.9876
+1.919.863.1797 FAX

www.extron.com

© 2009 Extron Electronics. All rights reserved.
Pricing and specifications may change without notice.

ACCESSORIES

ZipClip™ 200

Mounting Kit for 1/8 and 1/4 Rack Width Products

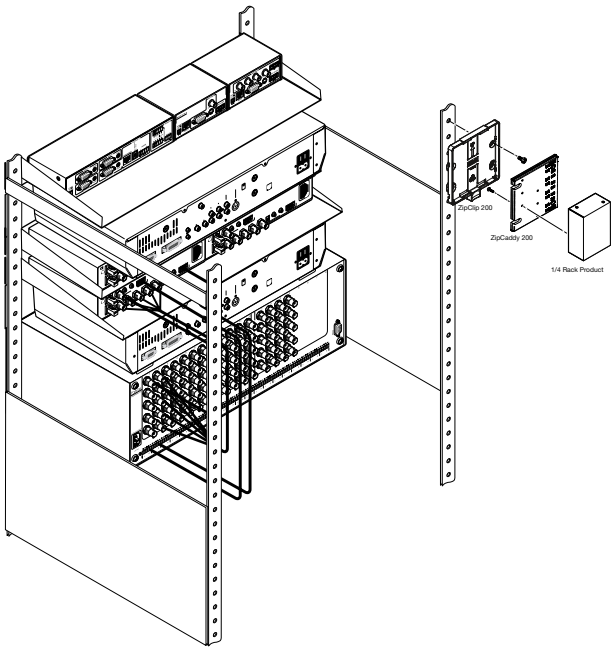
The Extron ZipClip 200 Series of mounting kits provides quick and flexible installation options for eighth-rack and quarter-rack width, 3" deep Extron products. This Patent-Pending two-piece kit includes the ZipClip 200, which mounts easily under a table, on a shelf, or to a rack rail, and the ZipCaddy™ 200, a secure mounting platform for one or two Extron products, depending on size. Installation of the Caddy requires nothing more than a simple "click" of the clip to securely lock it into place. The product is removed from the clip with a quick release tab.

FEATURES

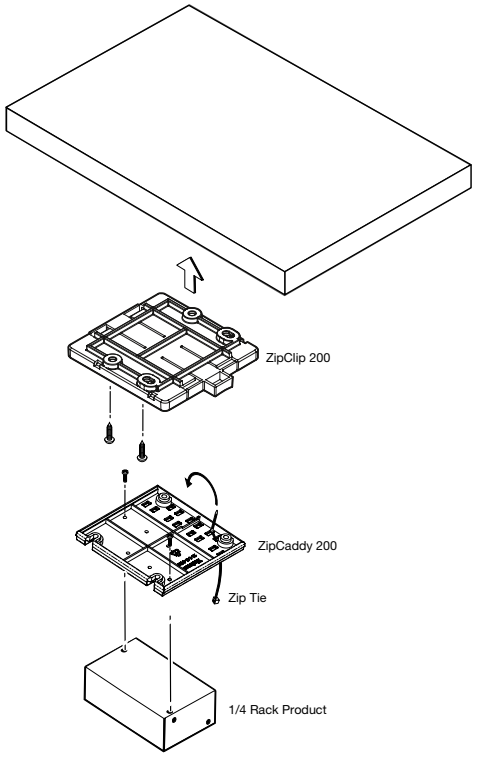
- Enables Extron products to be quickly and securely mounted to rack rails, tables, shelves, and lecterns
- Wire tie slots for proper strain relief and dressing of excess cable
- Supports eighth-rack and quarter-rack width, 3" deep products
- Quick release tab allows for easy installation and removal
- Designed and manufactured by Extron

ZipCaddy™ 200 Mounted in ZipClip 200

Model	Version Description	Part Number
ZipClip 200	Qty. 10 mounting clips and accessories	101-001-01



ZipClip 200 back of rack mounting of quarter-rack width enclosure



ZipClip 200 under-desk mounting of quarter-rack width enclosure

EMEA
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Middle East
+971.4.2991800
+971.4.2991880 FAX

Asia
+65.6383.4400 / +800.7339.8766
+65.6383.4664 FAX

China
+86.21.3760.1568 / +400.883.1568
+86.21.3760.1566 FAX

Japan
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron®

MOUNTING HARDWARE

PCM 323A

Projector Drop Ceiling Mount with Adjustable Pole

The Extron PCM 323A Projector Drop Ceiling Mount with Adjustable Pole is a versatile ceiling plate designed as a time- and cost-effective means of integrating a projector up to 50 pounds into conference rooms and classrooms with suspended ceilings incorporating 2' x 2' (60 cm x 60 cm) or 2' x 4' (60 cm x 120 cm) ceiling tiles. The integrated projector mount pole provides up to 21.5" (54.6 cm) of vertical adjustment in one-half inch (13 mm) increments for projector height adjustment.

FEATURES

- Projector drop ceiling mount with adjustable pole for use with suspended ceilings using 2'x2' or 2'x4' tiles
- Provides time- and cost-effective integration of projectors in small boardrooms and classrooms
- 25" (63.5 cm) adjustable pole with range from 1.5" to 23" in 0.5" increments
- Dimensions: 1.2" H x 26.4" W x 8.0" D (2.9 cm H x 67.0 cm W x 20.3 cm D)
- Available in white

PCM 323 A

Model	Version Description	Part Number
PCM 323A	White, 23" adjustable pole	70-656-23

SPECIALIZED PRODUCTS

VTG 400DVI

Programmable Video and Audio Test Generator with DVI Output

The Extron VTG 400DVI is an advanced, programmable, and upgradeable Video and Audio Test Generator that delivers accurate, full bandwidth video signal reproduction and high performance audio test signals. This test generator is a professional quality reference tool for set-up, performance evaluation, calibration, and troubleshooting audio and video systems.

FEATURES

- Video outputs: RGBHV on BNC and 15-pin HD connectors, component video on BNC connectors, S-video on a 4-pin mini DIN connector, composite video on a BNC connector, and DVI-D on a female DVI-I connector
- Audio outputs: 3-pin XLR connector and 3.5 mm mini stereo audio jack
- LCD displays native resolution of the DVI device when new EDID data is received

VTG 400 DVI

Model	Version Description	Part Number
VTG 400DVI	Test Generator with DVI Output	60-564-03

Extron®

USA West
+1.714.491.1500 / +800.633.9876
+1.714.491.1517 FAX

USA East
+1.919.863.1794 / +800.633.9876
+1.919.863.1797 FAX

www.extron.com

© 2009 Extron Electronics. All rights reserved.
Pricing and specifications may change without notice.

Price Reductions on Select Matrix Switchers

MAV Plus A Series

Stereo Audio Matrix Switchers with IP Link®

Model	Description	Part Number
MAV Plus 3264 A	32x64 Stereo Audio	60-762-15
MAV Plus 4832 A	48x32 Stereo Audio	60-763-15
MAV Plus 4848 A	48x48 Stereo Audio	60-764-15
MAV Plus 4864 A	48x64 Stereo Audio	60-765-15
MAV Plus 6432 A	64x32 Stereo Audio	60-766-15
MAV Plus 6448 A	64x48 Stereo Audio	60-767-15
MAV Plus 6464 A	64x64 Stereo Audio	60-768-15

MAV Plus 3232 A

MAV Plus AV Series

Composite Video and Stereo Audio Matrix Switchers with IP Link®

Model	Description	Part Number
MAV Plus 3248 AV	32x48 Composite Video and Stereo Audio	42-078-15
MAV Plus 3264 AV	32x64 Composite Video and Stereo Audio	42-079-15
MAV Plus 4832 AV	48x32 Composite Video and Stereo Audio	42-080-15
MAV Plus 4848 AV	48x48 Composite Video and Stereo Audio	42-081-15
MAV Plus 4864 AV	48x64 Composite Video and Stereo Audio	42-082-15
MAV Plus 6432 AV	64x32 Composite Video and Stereo Audio	42-083-15
MAV Plus 6448 AV	64x48 Composite Video and Stereo Audio	42-084-15
MAV Plus 6464 AV	64x64 Composite Video and Stereo Audio	42-085-15

MAV Plus 6464 AV

CrossPoint 450 Plus Series

Composite Video and Stereo Audio Matrix Switchers with IP Link®

Model	Description	Part Number
CrossPoint 450 Plus 3248 HVA	32x48 RGBHV and Stereo Audio	42-078-45
CrossPoint 450 Plus 3264 HVA	32x64 RGBHV and Stereo Audio	42-079-45
CrossPoint 450 Plus 4832 HVA	48x32 RGBHV and Stereo Audio	42-080-45
CrossPoint 450 Plus 4848 HVA	48x48 RGBHV and Stereo Audio	42-081-45
CrossPoint 450 Plus 4864 HVA	48x64 RGBHV and Stereo Audio	42-082-45
CrossPoint 450 Plus 6432 HVA	64x32 RGBHV and Stereo Audio	42-083-45
CrossPoint 450 Plus 6448 HVA	64x48 RGBHV and Stereo Audio	42-084-45
CrossPoint 450 Plus 6464 HVA	64x64 RGBHV and Stereo Audio	42-085-45

CrossPoint 450 Plus 6464 HVA

EMEA
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Middle East
+971.4.2991800
+971.4.2991880 FAX

Asia
+65.6383.4400 / +800.7339.8766
+65.6383.4664 FAX

China
+86.21.3760.1568 / +400.883.1568
+86.21.3760.1566 FAX

Japan
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron®

Notes

Extron®

USA West
+1.714.491.1500 / +800.633.9876
+1.714.491.1517 FAX

USA East
+1.919.863.1794 / +800.633.9876
+1.919.863.1797 FAX

www.extron.com

© 2009 Extron Electronics. All rights reserved.
Pricing and specifications may change without notice.

Worldwide Sales Offices

Extron®

Extron Electronics, USA - West Headquarters	1230 South Lewis Street Anaheim, California 92805 USA	Sales/Tech Support: +800.633.9876 Order Support: +800.633.9873 (Inside USA & Canada only) +1.714.491.1500 Fax: +1.714.491.1517
Extron Electronics, USA - East	2205 Westinghouse Boulevard, Suite 102 Raleigh, North Carolina 27604 USA	Sales: +800.633.9876 (Inside USA & Canada only) +1.919.863.1794 Fax: +1.919.863.1797
Extron Electronics, EMEA	Hanzeboulevard 10 3825 PH Amersfoort The Netherlands	Sales: +800.EXTRON.S3 +800.3987.6673 (Inside Europe only) +31.33.453.4040 Fax: +31.33.453.4050
Extron Electronics, Middle East	United Arab Emirates, Dubai Dubai Airport Free Zone F12, PO Box 293666	Sales: +971.4.2991800 Fax: +971.4.2991880
Extron Electronics, Asia	135 Joo Seng Road #04-01 PM Industrial Building Singapore 368363	Sales: +800.S3.EXTRON +800.7339.8766 (Inside Asia only) +65.6383.4400 Fax: +65.6383.4664
Extron Electronics, Japan	Kyodo Building 16 Ichibancho Chiyoda-ku, Tokyo 102-0082 Japan	Sales: +81.3.3511.7655 Fax: +81.3. 3511.7656
Extron Electronics, China	686 Ronghua Road, Songjiang District Shanghai 201611 China	Sales: +400.883.1568 (Inside China Only) +86.21.3760.1568 Fax: +86.21.3760.1566
S3 Sales & Technical Support Hotline	USA: +800.633.9876 (Inside USA only) +1.714.491.1500 EMEA: +800.EXTRON.S3 +800.3987.6673 (Inside Europe only) +31.33.453.4040	Asia: +65.6383.4400 Japan: +81.3.3511.7655 China: +400.883.1568 (Inside China Only) Dubai: +971.4.2991800
Extron Web Site	www.extron.com	
Order & Support Fax Line	USA: +1.714.491.1517 EMEA: +31.33.453.4050 Asia: +65.6383.4664	Japan: +81.3.3511.7656 China: +86.21.3760.1566 Dubai: +971.4.2991880
Normal Office Hours	USA: 7:00 am – 5:30 pm (PST) Monday – Friday EMEA: 0900 – 1800 (+1 GMT) Monday – Friday Asia: 0900 – 1800 (+8 GMT) Monday – Friday	Japan: 0900 – 1800 (+9 GMT) Monday – Friday China: 8:00 am – 5:00 pm (+8 GMT) Monday – Friday Dubai: 8:30 am – 5:30 pm (+4 GMT) Sunday – Thursday
24-Hour Technical Support	Dial +800.633.9876 (Inside USA & Canada only) then press (3) — 24-Hour Technical Support. Calls are returned within 30 minutes.	
Special Orders & Handling	Next day shipment for stock items ordered by 2:00 pm (PST) is standard.	
Open Account Information	Qualified accounts may receive Net 30 day payment terms upon approved credit and acceptance of Extron's international credit policy. A hard copy Purchase Order (PO) is required by fax or mail.	
International Shipping Terms	Ex works Extron Anaheim, Ex works Extron Amersfoort, Ex works Extron Singapore, Ex works Extron Shanghai, and Ex works Extron Dubai	
Powered Product Warranty	Three years parts and labor	
***System Integrator*™ Speaker Warranty**	Five years parts and labor	
Cable Performance Warranty	Limited lifetime. Extron Cable Products will be free from defects in material and workmanship for as long as you or your customer own the cable.	

Please refer to Extron business policies for full details.

www.extron.com

Worldwide Sales Offices

Extron **USA - West** Headquarters

+800.633.9876
Inside USA / Canada Only

+1.714.491.1500
+1.714.491.1517 FAX

Extron **USA - East**

+800.633.9876
Inside USA / Canada Only

+1.919.863.1794
+1.919.863.1797 FAX

Extron **EMEA**

+800.3987.6673
Inside Europe Only

+31.33.453.4040
+31.33.453.4050 FAX

Extron **Middle East**

+971.4.2991800
+971.4.2991880 FAX

Extron **Asia**

+800.7339.8766
Inside Asia Only

+65.6383.4400
+65.6383.4664 FAX

Extron **Japan**

+81.3.3511.7655
+81.3.3511.7656 FAX

Extron **China**

+400.883.1568
Inside China Only

+86.21.3760.1568
+86.21.3760.1566 FAX

© 2009 Extron Electronics. All rights reserved. All trademarks mentioned are the property of their respective owners. Prices and specifications subject to change without notice. 09-01, 68-1659-01